AUTHOR INDEX

ABELMAN, H. M.
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

ABERSON, J. A.
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

ADAMS, D. F.
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

CARTER, H. G.
Entropy Model for Glass Transition in Wet Resins an Composites, p. 265

CHIAO, C. C.
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

CHRISTENSEN, R. M.
Optimal Design of Anisotropic (Fiber-Reinforced) Flywheels, p. 395

CHOU, S. C.
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51
Post-Failure Behavior of Lamiantes: II – Stress Concentration, p. 71

CRADDOCK, J. N.
Nonlinear Response of Composite Material Structure, p. 221

CROSSMAN, F. W.
Edge Effects on Thermally Induced Stresses in Composite or Isotropic Plates, p. 300

CROSSMAN, W.
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92

DE JONG, T.
Stresses Around Pin-Loaded Holes in Elastically Orthotropic or Isotropic Plates, p. 313

ESELUN, S. A.
Thermal Expansion of a Boron-Aluminum Tube, p. 30

FOX, J.
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

AUTHOR INDEX

ABELMAN, H. M.
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

ABERSON, J. A.
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

ADAMS, D. F.
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

CARTER, H. G.
Entropy Model for Glass Transition in Wet Resins an Composites, p. 265

CHIAO, C. C.
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

CHRISTENSEN, R. M.
Optimal Design of Anisotropic (Fiber-Reinforced) Flywheels, p. 395

CHOU, S. C.
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51
Post-Failure Behavior of Lamiantes: II – Stress Concentration, p. 71

CRADDOCK, J. N.
Nonlinear Response of Composite Material Structure, p. 221

CROSSMAN, F. W.
Edge Effects on Thermally Induced Stresses in Composite or Isotropic Plates, p. 300

CROSSMAN, W.
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92

DE JONG, T.
Stresses Around Pin-Loaded Holes in Elastically Orthotropic or Isotropic Plates, p. 313

ESELUN, S. A.
Thermal Expansion of a Boron-Aluminum Tube, p. 30

FOX, J.
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

FRANCIS, P. H.
Biaxial Fatigue Loading of Notched Composites, p. 488

GERSTLE, F. P., JR.
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

GIRI, J.
Buckling of Rotationally Restrained Orthotropic Plates Under Uniaxial Compression, p. 345

GUESS, T. R.
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

HAHN, H. T.
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

HAYFORD, D. T.
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

HENNEKE, E. G., II
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

HERAKOVICH, C. T.
Edge Effects in Angle-Ply Composite Laminates, p. 422

HETHERINGTON, N. W.
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

HOOVER, W. R.
Graphite/Aluminum: An Evaluation of State-of-the-Art Material, p. 17

HSU, P. W.
Edge Effects in Angle-Ply Composite Laminates, p. 422

ISHIKAWA, T.
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332

KAMP, J. L. M.
Non Hookean Behaviour in the Fibre Direction of Carbon-Fibre Composites and the Influence of Fibre Waviness on the Tensile Properties, p. 461

KAPLEVATSKY, I. D.
Stress-Strain State of Multilayer Composite Laminates, p. 445

KIBLER, K. G.
Entropy Model for Glass Transition in Wet Resins and Composites, p. 265

KOBAYASHI, S.
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332

KOYAMA, K.
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332

LAFITTE, B. A.
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

LIN, K. Y.
Fracture of Boron/Aluminum Composites with Discontinuities, p. 405

LIU, M. D.
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193

LUNDEMO, C. Y.
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

MAJERUS, J. N.
Nonlinear Response of Composite Materials Structure, p. 221

MANERA, M.
Elastic Properties of Randomly Oriented Short Fiber-Glass Composites, p. 235

MAR, J. W.
Fracture of Boron/Aluminum Composites with Discontinuities, p. 405

MATTHEWS, F. L.
The Effect of Stacking on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139

MILLER, A. K.
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

MIYASE, A.
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

MORRIS, D. H.
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

NARAYANASWAMI, R.
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

ORRINGER, O.
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51
Post-Failure Behavior of Lamiantes: II – Stress Concentration, p. 71

PAPIRNO, R.
Fatigue Fracture Initiation in Notched Graphite-Epoxy Specimens, p. 41

PIEKARSKI, K.
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

PREWO, K. M.
The Fracture Toughness of Boron Aluminum Composites, p. 164

QUINN, W. J.
The Effect of Stacking Sequence on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139.

RAEVSKY, V. G.
Stress-Strain State of Multilayer Composite Laminates, p. 445

RAINEY, J. H.
Post-Failure Behavior of Lamiantes: II – Stress Concentration, p. 71

RYBICKI, E. F.
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

SCHMUESER, D. W.
An Energy Release Rate Appraoch for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

SHEN, C. H.
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Environmental Effects on the Elastic Moduli of Composite Materials, p. 250

SHERRY, R. J.
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

SIMITSES, G. J.
Buckling of Rotationally Restrained Orthotropic Plates Under Uniaxial Compression, p. 345

SIMS, D. R.
Biaxial Fatigue Loading of Notched Composites, p. 488

SPIKER, R. L.
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51

SPRINGER, G. S.
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Moisture Content of Composites Under Transient Conditions, p. 107
Environmental Effects on the Elastic Moduli of Composite Materials, p. 250

STINCHCOMB, W. W.
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

SUN, C. T.
The Fracture Toughness of Boron/Aluminum Composites, p. 164

THOR, S. E.
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

UENG, C. E. S.
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

VAN DREUMEL, W. H. M.
Non Hookean Behaviour in the Fibre Direction of Carbon-Fibre Composites and the Influence of Fibre Waviness in the Tensile Properties, p. 461

WALWRATH, D. E.
Biaxial Fatigue Loading of Notched Composites, p. 488

WEED, D. N.
Biaxial Fatigue Loading of Notched Composites, p. 488

WANG, A. S. D.
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92
Edge Effects on Thermally Induced Stresses in Composite or Isotropic Plates, p. 313

WEITSMAN, Y.
Stress in Adhesive Joints Due to Moisture and Temperature, p. 378

WOLFF, E. G.
Thermal Expansion of a Boron-Aluminum Tube, p. 30

WU, E. M.
Optimal Design of Anisotropic (Fiber-Reinforced) Flywheels, p. 395

YANG, J. N.
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193

ZAK, A. R.
Nonlinear Response of Composite Material Structure, p. 221

SUBJECT INDEX

Absorption
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

Accelerated Test
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Adhesion
Stresses in Adhesive Joints Due to Moisture and Temperature, p. 378
Stress-Strain State of Multilayer Composite Laminates, p. 445

Aramid/Epoxy Fibers
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Attenuation
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Bearing Strength
The Effect of Stacking Sequence on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139

Bending of Moderately Thick Plates
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51

Biaxial Loading
Biaxial Fatigue Loading of Notched Composites, p. 488

Biaxial Testing
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Bonding Stresses
Stresses in Adhesive Joints Due to Moisture and Temperature, p. 378

Boron/Aluminum
Thermal Expansion of a Boron-Aluminum Tube, p. 30
The Fracture Toughness of Boron Aluminum Composites, p. 164
Fracture of Boron/Aluminum Composites with Discontinuities, p. 405

Boron/Epoxy Laminates
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

Carbon-Epoxy Composites
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332

Carbon Fibers
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332
Non Hookean Behaviour in the Fibre Direction of Carbon-Fibre Composites and the Influence of Fibre Waviness on the Tensile Properties, p. 461

Chopped Strand
Elastic Properties of Randomly Oriented Short Fiber-Glass Composites, p. 235

Composite Materials
Nonlinear Response of Composite Material Structures, p. 221
The Effect of Stacking Sequence on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139
Entropy Model for Glass Transition in Wet Resins and Composites, p. 265

Composite Reliability
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193

Composites
The Fracture Toughness of Boron Aluminum Composites, p. 164
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

Crack Growth
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

Crack Initiation
Fatigue Fracture Initiation in Notched Graphite-Epoxy Specimens, p. 41

Delamination
An Energy Release Rate Approach for Stable Crack Growth in the Free-Edge Delamination Problem, p. 470

Design
Moisture Content of Composites Under Transient Conditions, p. 107
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146
Elastic Properties and Randomly Oriented Short Fiber-Glass Composites, p. 235

Design, Flywheels
Optimal Design of Anisotropic (Fiber-Reinforced) Flywheels, p. 395

Edge Effects
Stress-Strain State of Multilayer Composite Laminates, p. 445
Edge Effects in Angle-Ply Composite Lamiantes, p. 422

Edge Notch
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

Edge Stress
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92

Elastic Moduli
Elastic Moduli of Carbon-Epoxy Composites and Carbon Fibers, p. 332
Environmental Effects on the Elastic Moduli of Composite Materials, p. 250

Elastic Properties
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146
Elastic Properties of Randomly Oriented Short Fiber-Glass Composites, p. 235

Environmental Effects
Moisture Content of Composites Under Transient Conditions, p. 107
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Environmental Effects on thyElastic Moduli of Composite Materials, p. 250
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

Epoxies
Entropy Model for Glass Transition in Wet Resins and Composites, p. 265
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

Experimental
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Experimental Verification
Residual Strength Degradation Model and Theory of Periodic Tests for Graphite/Epoxy Laminates, p. 193

Failure Stresses
Fracture of Boron/Aluminum Composites with Discontinuities, p. 405

Failure Theory
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

Fail-Safe Behavior
The Effect of Stacking Sequence on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139

Fatigue
Fatigue Fracture Initiation in Notched Graphite-Epoxy Specimens, p. 41
Biaxial Fatigue Loading of Notched Composites, p. 488
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Lamiantes, p. 193

Fiber Reinforcement
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33
Environmental Effects on the Elastic Moduli of Composite Materials, p. 250

Fiber Waviness
Non Hookean Behaviour in the Fibre Direction of Carbon-Fibre Composites and the Influence of Fibre Waviness on the Tensile Properties, p. 461

Fibers
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

Filament Winding
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Finite – Element Analysis
Post-Failure Behavior of Laminate: II – Stress Concentration, p. 71
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51
Edge Effects on Thermally Induced Stresses in Composite Lamiantes, p. 300

Finite-Element Method
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

Finite – Element Solution
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92

Flywheels
Optimal Design of Anisotropic (Fiber-Reinforced) Flywheels, p. 395

Fracture
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33
Fatigue Fracture Initiation in Notched Graphite-Epoxy Specimens, p. 41
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146
Stresses Around Pin-Loaded Holes in Elasticity Orthotropic or Isotropic Plates, p. 313

Fracture, Mixed-Mode
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

Fracture Models
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

Fracture Tests
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

Fracture Toughness
Graphite/Aluminum: An Evaluation of State-of-the-Art Material, p. 17
The Fracture Toughness of Boron Aluminum Composites, p. 164

Free Edge Stresses
Edge Effects on Thermally Induced Stresses in Composite Laminates, p. 300

Glass Transition
Entropy Model for Glass Transition in Wet Resins and Composites, p. 265

Glass/Epoxy Laminates
Post-Failure Behavior of Laminate: II – Stress Concentration, p. 71

Graphite/Aluminum Composites
Graphite/Aluminum: An Evaluation of State-of-the-Art Material, p. 17

Graphite/Epoxy
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92
Moisture Content of Composites Under Transient Conditions, p. 107
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285
Edge Effects in Angle-Ply Composite Laminates, p. 422

Graphite Fibers
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Graphite Filaments
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Graphite Polyimide
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Graphites
Influence of Environmental Cycling on the Mechanical Properties of Composite Materials, p. 276

High Performance Composites
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Holes/Slits, Failure
Fracture of Boron/Aluminum Composites with Discontinuities, p. 405

Hybrid-Stress Laminate Finite Elements
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51

Hygrothermal Effects
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

Hygrothermal Stress
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92

Improved Programming
Some New Results on Edge Effects in Symmetric Composite Laminates, p. 92

Interaction
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

Interfaces
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Interferometry
Thermal Expansion of a Boron-Aluminum Tube, p. 30

Interlaminar Stresses
Edge Effects in Angle-Ply Composite Laminates, p. 422

Investment Casting
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Isotropic Plates
Stresses Around Pin-Loaded Holes in Elastically Orthotropic or Isotropic Plates, p. 313

Kevlar 49
Deformation and Fracture of Resin Matrix Composites In Combined Stress States, p. 146

Laminate Bending with Transverse Shear
Alternate Hybrid-Stress Elements for Analysis of Multilayer Composite Plates, p. 51

Laminate Failure Models
Post-Failure Behavior of Lamiante: II – Stress Concentration, p. 71

Laminate Stress Concentrations
Post-Failure Behavior of Laminate: II – Stress Concentration, p. 71

Laminates
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92
Mixed-Mode Fracture of Graphite/Epoxy Composites: Fracture Strength, p. 124

Mechanical Properties
Graphite/Aluminum: An Evaluation of State-of-the-Art Material, p. 17

Metal Matrix
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33
The Fracture Toughness of Boron Aluminum Composites, p. 164

Micromechanical Analyses
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

Moisture Effects
Moisture Content of Composites Under Transient Conditions, p. 107
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Entropy Model for Glass Transition in Wet Resins and Composites, p. 265
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285
Environmental Effects on the Elastic Moduli of Composite Materials, p. 250

Multi-Layer Elements
Stress-Strain State of Multilayer Composite Laminates, p. 445

Nondestructive Testing
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Nonlinear Properties
Nonlinear Response of Composite Material Structures, p. 221

Notch Effects
Biaxial Fatigue Loading of Notched Composites, p. 488

Notched Elements
Fatigue Fracture Initiation in Notched Graphite-Epoxy Specimens, p. 41

Organic Fiber
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Orthotropic Plates
Buckling of Ratationally Restrained Orthotropic Plates Under Uniaxial Compression, p. 345

Quality Assurance
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Perturbation
Edge Effects in Angle-Ply Composite Laminates, p. 422

Pin-Loaded Holes
Stresses Around Pin-Loaded Holes in Elasticity Orthotropic or Isotropic Plates, p. 313

Fly Failure Models
Post-Failure Behavior of Laminate: II – Stress Concentration, p. 71

Predicting Composites' Lifetimes
Experimental Verification of an Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Quasi-isotropic Laminate
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Random Orientation
Elastic Properties of Randomly Oriented Fiber-Glass Composites, p. 235

Reinforcement
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Residual Strength Degradation Model
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193

Residual Stresses
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

Resin Matrix
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Ring Design
Optimal Design of Anisotropic (Fiber Reinforced) Flywheels, p. 395

Short Beam Shear Test
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Short Fiber-Glass Composite
Elastic Properties of Randomly Oriented Short Fiber-Glass Composites, p. 235

Sn-Pb Alloy
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Stacking Sequence
The Effect of Stacking Sequence on the Pin-Bearing Strength in Glass Fibre Reinforced Plastic, p. 139

Strength
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Stress/Rupture, Composites
Experimental Verification of Accelerated Test for Predicting the Lifetime of Organic Fiber Composites, p. 79

Stress Concentration
Some New Results on Edge Effect in Symmetric Composite Laminate, p. 92
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Temperature Effects
Moisture Content of Composites Under Transient Conditions, p. 107
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
Hygrothermal Microstresses in a Unidirectional Composite Exhibiting Inelastic Material Behavior, p. 285

Tensile Analysis
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

Tensile Strength
Effects of Moisture and Temperature on the Tensile Strength of Composite Materials, p. 2
non Hookean Behavior in the Fibre Direction of Carbon-Fibre Composites and the Influence of Fibre Waviness on the Tensile Properties, p. 461

Tensile Test
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

Theory of Periodic Proof Tests
Residual Strength Degradation Model and Theory of Periodic Proof Tests for Graphite/Epoxy Laminates, p. 193

Thermal Expansion
Thermal Expansion of a Boron-Aluminum Tube, p. 30

Thermally Induced Stresses
Edge Effects on Thermally Induced Stresses in Composite Laminates, p. 300

Thermoset Resin
Elastic Properties of Randomly Oriented Short Fiber-Glass Composites, p. 235

Tin – Lead
Graphite Fiber Reinforced Sn-Pb Investment Castings, p. 33

Transient Conditions
Moisture Content of Composites Under Transient Conditions, p. 107

Tsai-Wu Theory
Evaluation of the Tensor Polynomial and Hoffman Strength Theories for Composite Materials, p. 365

Tube Structure
Thermal Expansion of a Boron-Aluminum Tube, p. 30

Tubes
Biaxial Fatigue Loading of Notched Composites, p. 488

Tubular Specimens
Deformation and Fracture of Resin Matrix Composites in Combined Stress States, p. 146

Ultrasonics
The Correlation of Ultrasonic Attenuation and Shear Strength in Graphite-Polyimide Composites, p. 429

Unidirectional Composite
Tensile Analysis of an Edge Notch in a Unidirectional Composite, p. 239

Yielding
Nonlinear Response of Composite Material Structures, p. 221